

REMARKS

We have addressed the Examiner's § 112, second paragraph, rejections in the amendments to independent claim 1. In particular, we have amended claim 1 to make clear that applicants' invention is directed to a rotor assembly that includes a superconducting coil assembly. We have also amended the preambles of the dependent claims to provide proper antecedent basis.

Prior Art Rejections

The Examiner rejected claim 1 as anticipated by Laskaris (U.S. 6,605,886) or Kameoka (U.S. 5,424,702). We submit that neither Laskaris nor Kameoka describe or suggest a rotor assembly of an electric rotating machine including a superconducting coil assembly having at least one superconducting winding ... being spaced from and in radial relation to the axis of the rotor assembly, as recited in amended independent claim 1. We note that in paragraph 7 of the office action, the Examiner agrees with this statement.

As pointed out in our reply to the previous office action, Laskaris discloses a coil that is disposed in the same plane as its rotation axis. As shown in Fig.1, a superconducting winding 34 lies in the same plane and rotates about longitudinally extending axis 20. Similarly, Kameoka describes a superconducting winding that rotates about the axis located in the same plane in which it lies. For example, as described in column 5 lines 51-54 and shown in Fig. 2, the winding rotates around Y-axis.

We submit that, for at least this reason, independent claim 1 is patentably distinct from both Laskaris and Kameoka. We further submit that because claims 2-4, 7-8 and 11 depend from claim 1, these dependent claims are patentable for at least the same reasons that claim 1 is patentable.

Dependent claims 5-6 and 9-10

The Examiner also rejected claims 5-6, and 9-10 as being unpatentable over Kameoka in view of Maeda (U.S. 5,387,889). However, Maeda adds nothing to the feature found to be

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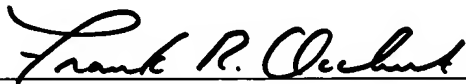
missing from Kameoka. In particular, Maeda says nothing about a winding being spaced from and in radial relation to the axis of the rotor assembly. Consequently, neither Kameoka nor Maeda, separate or combined suggest the claimed invention.

We submit therefore that claims 5-6 and 9-10 are patentable over the Kameoka in view of Maeda.

Please apply any other charges, not covered, or credits to deposit account 06-1050, referencing Attorney Docket Number 05770-114001.

Respectfully submitted,

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Frank R. Occhiuti
Reg. No. 35,306

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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